

Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

Title V
AIR QUALITY PERMIT
Issued under 401 KAR 52:020

Permittee Name: Jim Beam Brands Company, Inc.
Mailing Address: 526 Happy Hollow Road, Clermont, Kentucky 40110

Source Name: Jim Beam Brands Company, Inc.
Mailing Address: 526 Happy Hollow Road
Clermont, Kentucky 40110

Source Location: 526 Happy Hollow Road
Clermont, Kentucky 40110

Permit Number: V-03-039
Log Number: 55910
Review Type: Title V/Synthetic Minor, Operating
Source ID #: 21-029-00005

Regional Office: Frankfort Regional Office
643 Teton Trail, Suite B
Frankfort, KY 40601
(502) 564-3358

County: Bullitt

Application
Complete Date: August 25, 2003
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John S. Lyons, Director
Division for Air Quality

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit 01 (01-001, 01-002 & 11-001) Grain Handling Operations

Description:

Equipment includes: Truck unloading/receiving hopper, conveyors (drag-chain & screw), bucket elevators, storage silos and unpaved roads.

Control Equipment: Enclosures

Maximum operating rate: 1026 tons/day

Construction commenced: 1974

Applicable Regulations:

401 KAR 63:010, Fugitive emissions.

1. Operating Limitations:

- a) Pursuant to 401 KAR 63:010, Section 3, reasonable precautions shall be taken to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, when applicable, but not limited to the following:
 - 1. Application and maintenance of asphalt, water, or suitable chemicals on roads, material stockpiles, and other surfaces which can create airborne dusts.
 - 2. Installation and utilization of hoods, fans, and fabric filters to enclose and vent the emissions generated from the processing of dust generating materials, or use of water sprays or other measures to suppress the dust emissions during handling.
- b) Pursuant to 401 KAR 63:010, Section 3, discharge of visible fugitive emissions beyond the property line is prohibited.

2. Emission Limitations:

None

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The permittee shall monitor the amount of grain received and processed on a monthly basis.

5. Specific Record Keeping Requirements:

Records of grain received and processed shall be maintained on a monthly basis.

SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

- a) The enclosures used to control fugitive emissions shall be operated as necessary to maintain compliance with applicable requirements in accordance with manufacturer's specifications and/or standard operating practices.
- b) Records regarding the maintenance of the control equipment shall be maintained.
- c) See Section E.

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit 02 (02-001 and 03-001) Fermentation Process

Description:

Equipment includes: Fermentation and distilling process

Construction commenced: 1974

Applicable Regulations:

None

1. Operating limitations:

None

2. Emission limitations:

None

3. Testing Requirements:

None

4. Specific Monitoring requirements:

The permittee shall monitor bushels of grains processed on a monthly basis.

5. Specific Record keeping Requirements:

Records of bushels of grains processed shall be maintained on a monthly basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

None

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**Emissions Unit 03 (03-002) Spent Grain Drying****Description:**

Equipment includes: Natural gas fired turbo-venturi dryer and process cyclone collectors

Control Equipment: Scrubber

Dryer rating: 17.5 MMBTU/hour

Secondary fuel: Propane

Maximum operating rate: 3.85 tons/hour dried grain.

Construction commenced: 1970.

Applicable Regulations:

401 KAR 61:020, Existing process operations, applicable to an emission unit that commenced prior to July 2, 1975.

1. Operating Limitations:

None

2. Emission Limitations:

- a) Pursuant to 401 KAR 61:020, Section 3(2)(a), particulate emissions into the open air shall not exceed $[4.10 (P)^{0.67}]$ lbs/hour based on a three-hour-average, where P is the processing rate in tons/hour averaged on a monthly basis. Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions using grain processing rates, emission factor information, and scrubber control efficiency as follows:

PM Emissions (lbs/hour) from grain drying = (lbs / ton controlled emission factor from most recent stack test) x (grain processing rate in tons/hour)

- b) Pursuant to 401 KAR 61:020, Section 3(1)(a), visible emissions shall not equal or exceed 40% opacity based on a six-minute-average.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from each stack using US EPA Reference Method 9 annually, or more frequently if requested by the Division.

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

4. Specific Monitoring Requirements:

- a) The permittee shall monitor the processing rate and hours of operation on a monthly basis.
- b) The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack on a weekly basis and maintain a log of the observations. If visible emissions from the stack are seen, the permittee shall determine the opacity of emissions by U.S. EPA Reference Method 9 and instigate an inspection of the control equipment for any necessary repairs.

5. Specific Record keeping Requirements:

Records of grain processed and hours of operation shall be maintained on a monthly basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Conditions:

- a) The wet scrubber shall be operated as necessary to maintain compliance with permitted emission limitations in accordance with the manufacturer's specifications and/or standard operating practices.
- b) Records regarding the maintenance of the wet scrubber shall be maintained.
- c) See Section E.

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit 04 (03-004, 03-005) Dried Grain Storage Silos

Description:

Equipment includes: Three dried grain storage silos and associated with process cyclones

Control Equipment: Baghouse

Maximum operating rating: 3.85 tons/hour

Construction commenced: 1990

Applicable Regulations:

401 KAR 59:010, New process operations, applicable to an emissions unit that commenced on or after July 2, 1975.

1. Operating Limitations:

None

2. Emission Limitations:

- a) Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions from the stack shall not exceed $[3.59 (P)^{0.62}]$ lbs/hour based on a three-hour-average, where P is the processing rate in tons/hour. Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions using grain processing rates, emission factor information, and baghouse control efficiency as follows:
- b) Pursuant to 401 KAR 59:010, Section 3(1)(a), any continuous emissions into the open air shall not equal or exceed 20% opacity based on a six-minute-average.

The permittee shall assure continuing compliance with the particulate emission and opacity limitations by ensuring proper operation of baghouses. Proper operation of baghouses can be ensured by fulfilling visual observation as specified in monitoring requirement below.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from each stack using US EPA Reference Method 9 annually, or more frequently if requested by the Division.

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

4. Specific Monitoring Requirements:

- a) The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack on a weekly basis and maintain a log of the observations. If visible emissions from the stack are seen, the permittee shall determine the opacity of emissions by U.S. EPA Reference Method 9 and instigate an inspection of the control equipment for any necessary repairs.
- b) The permittee shall monitor the grain processing rate and hours of operation on a monthly basis.

5. Specific Recordkeeping Requirements:

Records of grain processed and hours of operation shall be maintained on a monthly basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

- a) The baghouse shall be operated as necessary to maintain compliance with permitted emission limitations in accordance with manufacturer's specifications and/or standard operating practices.
- b) Records regarding the maintenance of the baghouse shall be maintained.
- c) See Section E.

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit 05 (05) Barrel Filling, Aging, and Dumping

Description:

Equipment includes: Barrel filling stations, product aging in warehouses, and barrel dumping.

Construction commenced: Prior to 1970

Applicable Regulations:

None

1. Operating Limitations:

None

2. Emission Limitations:

None

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The permittee shall monitor the barrels stored on a yearly basis.

5. Specific Recordkeeping Requirements:

The barrels stored shall be recorded on a yearly basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

None

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit 06 (06-2 through 06-4, 07-1, and 08-1) Processing and Bottling Operations.

Description:

Equipment includes: Holding, Processing, bottling tanks; bottle filling and pipeline component & peripheral equipment.

Construction commenced: Prior to 1995

Applicable Regulations:

None

1. Operating Limitations:

None

2. Emission Limitations:

None

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The permittee shall monitor the proof gallons processed on a yearly basis.

5. Specific Recordkeeping Requirements:

Records of the proof gallons processed shall be maintained on a yearly basis.

6. Specific Reporting Requirements:

None

7. Specific Control Equipment Operating Conditions:

None

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**Emissions Unit 07 (09-001) Indirect Heat Exchanger****Description:**

Horizontally-opposed natural gas unit (Boiler # 3).

Maximum continuous rating: 95.2 mmBTU/hour

Secondary fuel: #2 fuel oil

Tertiary fuel: #6 fuel oil.

Construction commenced: 1970

Applicable Regulations:

401 KAR 61:015, Existing indirect heat exchangers, applicable for an emissions unit with a capacity of 250 mmBTU/hour or less and commenced before April 9, 1972.

1. Operating Limitations:

Sulfur dioxide emissions shall not exceed 245 tons in any twelve (12) consecutive months. This annual limitation is being imposed to preclude the existing source from being considered major as defined in 401 KAR 51:017 (Prevention of Significant Deterioration).

2. Emission Limitations:

- a) Pursuant to 401 KAR 61:015, Section 4(1), particulate emissions shall not exceed 0.41 lb/mmBTU based on a three-hour-average. Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions for each respective fuel using fuel oil usage rates, fuel analysis, and emission factor information:

No. 2 fuel-oil - SCC 1-02-005-01

PM Emissions (lb/mmBTU) from combustion of No. 2 fuel-oil = (U.S. EPA approved or AP-42 emission factor: 2 lbs / 10³ gallons) / (heating value from fuel analysis in mmBTU/10³ gallons); and

No. 6 fuel-oil - SCC 1-02-004-01

PM Emissions (lb/mmBTU) from combustion of No. 6 fuel-oil = (U.S. EPA approved or AP-42 emission factor: [(9.19(S) + 3.22) lbs / 10³ gallons] / (heating value from fuel analysis in mmBTU/10³ gallons) where S is the percent weight sulfur in the fuel oil.

- b) Pursuant to 401 KAR 61:015, Section 4(3), emissions shall not exceed 40% opacity based on a six-minute-average.

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

- c) Pursuant to 401 KAR 61:015, Section 5(1), sulfur dioxide emissions shall not exceed 4.0 lbs/mmBTU based on a twenty-four-hour average. Compliance with the allowable sulfur dioxide standard may be demonstrated by calculating sulfur dioxide emissions for each respective fuel using fuel oil usage rates, fuel analysis, and emission factor information:

No. 2 fuel-oil - SCC 1-02-005-01

SO₂ Emissions (lb/mmBTU) from combustion of No. 2 fuel-oil = (U.S. EPA approved or AP-42 emission factor: 142S lbs / 10³ gallons) / (heating value from fuel analysis in MMBTU/10³ gallons).

No. 6 fuel-oil - SCC 1-02-004-01

SO₂ Emissions (lb/mmBTU) from combustion of No. 6 fuel-oil = (U.S. EPA approved or AP-42 emission factor: 157S lbs / 10³ gallons) / (heating value from fuel analysis in mmBTU/ 10³ gallons).

While burning natural gas, this unit is considered to be in compliance with PM, SO₂ and opacity standards.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack by U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

- a) The permittee shall monitor the amount of each fuel burned on a monthly basis.
- b) The permittee shall monitor the heat content and sulfur content of the fuel oil burned on a monthly basis. The permittee may use fuel supplier certification to meet this requirement.
- c) Tons of sulfur dioxide emissions due to No. 2 or No. 6 fuel oil usage shall be calculated for each month using the total No. 2 or No. 6 fuel oil usage rate and the average fuel oil heat and sulfur content for that month.

5. Specific Recordkeeping Requirements:

- a) Records of each fuel burned shall be maintained on a monthly basis.
- b) Fuel analysis for each fuel burned shall be maintained on a monthly basis.
- c) The permittee shall maintain records of the monthly and rolling twelve (12) month total sulfur dioxide emissions.

**SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE
REGULATIONS, AND OPERATING CONDITIONS**

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

None

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**Emissions Unit 08 (09-002) Indirect Heat Exchanger****Description:**

Spreader-stoker coal fired unit with flyash reinjection (Boiler #1).

Control Equipment: Baghouse

Maximum continuous rating: 99 mmBTU/hour

Secondary fuel: Natural gas

Construction commenced: 1985

Applicable Regulations:

401 KAR 59:015, New indirect heat exchangers, applicable to an emissions unit with a capacity of less than 250 mmBTU/hour which commenced on or after April 9, 1972.

1. Operating Limitations:

In order to ensure non-applicability of 401 KAR 51:017 (Prevention of Significant Deterioration of Air Quality), the coal usage rate in combination with the sulfur content of the coal burned shall not cause emissions of sulfur dioxide to exceed 245 tons in any twelve (12) consecutive months.

2. Emission Limitations:

- a) Pursuant to 401 KAR 59:015, Section 4(1)(c), particulate emissions shall not exceed 0.286 lb/mmBTU based on a three-hour-average. Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions for each respective fuel using fuel usage rates, fuel analysis, and emission factor information:
Coal- SCC 1-01-002-04
PM Emissions (lb/mmBTU) from combustion of coal = [(lbs / ton controlled emission factor from most recent stack test) / (heating value from fuel analysis mmBTU/ton)]
- b) Pursuant to 401 KAR 59:015, Section 4(2), emissions shall not exceed 20% opacity based on a six minute average, except that a maximum of 40% opacity, based on a six minute average, shall be permissible for not more than 6 consecutive minutes in any consecutive 60 minutes during cleaning the fire-box or blowing soot.
- c) Pursuant to 401 KAR 59:015, Section 5(1)(c), sulfur dioxide emissions shall not exceed 1.81 lb/mmBTU based on a twenty-four-hour-average. Compliance with the allowable sulfur dioxide standard may be demonstrated by calculating sulfur dioxide emissions for each respective fuel using fuel usage rates, fuel analysis, and emission factor information:

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**Coal- SCC 1-01-002-04**

SO₂ Emissions (lb/mmBTU) from combustion of coal = (38S lbs / ton) / (heating value from fuel analysis mmBTU/ton) where S is the percent weight sulfur in the coal.

While burning natural gas this unit is considered to be in compliance with PM, SO₂ and opacity standard.

3. Testing Requirements:

- a) The permittee shall conduct one stack test for particulate matter emissions within the term of this permit.
- b) The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack on a daily basis and maintain a log of the observations. If visible emissions from the stack are seen, the permittee shall determine the opacity of emissions by Reference Method 9 and instigate an inspection of the control equipment for any necessary repairs.

4. Specific Monitoring Requirements:

- a) The permittee shall get a composite sample of each shipment of coal received and monitor the sulfur content and heat content on a weekly basis.
- b) The permittee shall monitor the amount of fuel burned on a monthly basis.
- c) Emissions of sulfur dioxide emissions shall be calculated each month using emission factors, fuel usage rates, average fuel sulfur content and heat content.

5. Specific Recordkeeping Requirements:

- a) Records of fuel burned shall be maintained on a monthly basis.
- b) Records of the results of the analyses of sulfur content and heat content shall be maintained on a weekly basis.
- c) The permittee shall maintain records of the monthly and rolling twelve (12) month total sulfur dioxide emissions.

**SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE
REGULATIONS, AND OPERATING CONDITIONS**

6. Specific Reporting Requirements:

- a) See Section F.

7. Specific Control Equipment Conditions:

- a) The baghouse shall be operated as necessary to maintain compliance with permitted emission limitations in accordance with manufacturer's specifications and/or standard operating practices.
- b) Records regarding the maintenance of the baghouse shall be maintained.
- c) See Section E.

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**Emissions Unit 09 (09-003) Indirect Heat Exchanger****Description:**

Natural gas horizontally-opposed fired indirect heat exchanger (Boiler#4)

Maximum continuous rating: 25.1 mmBTU/hour

Secondary fuel: #2 fuel oil.

Construction Commenced: 1986

Applicable Regulations:

401 KAR 59:015, New indirect heat exchangers, applicable to an emissions unit with a capacity of less than 250 mmBTU/hour which commenced on or after April 9, 1972.

1. Operating Limitations:

In order to ensure non-applicability of 401 KAR 51:017 (Prevention of Significant Deterioration of Air Quality), the emissions of sulfur dioxide shall not exceed 39 tons in any twelve (12) consecutive months.

2. Emission Limitations:

- a) Pursuant to 401 KAR 59:015, Section 4(1)(c), particulate emissions shall not exceed 0.279 lb/mmBTU based on a three-hour-average. Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions using fuel oil usage rates, fuel analysis, and emission factor information:

No.2 Fuel oil - SCC 1-03-005-01

PM Emissions (lb/mmBTU) from combustion of fuel oil = (U.S. EPA approved or AP-42 emissions factor: 2.0 lbs / 10³ gallons) / (heating value from fuel analysis in MMBTU/10³ gallons).

- b) Pursuant to 401 KAR 59:015, Section 5(1), sulfur dioxide emissions shall not exceed 0.84 lb/mmBTU based on a twenty-four-hour average. Compliance with the allowable sulfur dioxide standard may be demonstrated by calculating sulfur dioxide emissions using fuel oil usage rates, fuel analysis, and emission factor information:

No.2 Fuel oil - SCC 1-03-005-01

SO₂ Emissions (lb/mmBTU) from combustion of fuel oil = (U.S. EPA approved or AP-42 emission factor: 142S lbs / 10³ gallons) / (heating value from fuel analysis in MMBTU / 10³ gallons).

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

- c) Pursuant to 401 KAR 59:015, Section 4(2), emissions shall not exceed 20% opacity based on a six minute average, except that a maximum of 40% opacity based on a six minute average, shall be permissible for not more than 6 consecutive minutes in any consecutive 60 minutes during cleaning the fire-box or blowing soot.

While burning natural gas, this unit is considered to be in compliance with PM, SO₂ and opacity standard.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

- a) The permittee shall monitor the heat content and sulfur content of the fuel oil burned on a monthly basis. The permittee may use fuel supplier certification to meet this requirement.
- b) Tons of sulfur dioxide emissions due to No. 2 fuel oil usage shall be calculated for each month using the total No. 2 fuel oil usage rate, and the average fuel oil sulfur and heat content for that month.

5. Specific Recordkeeping Requirements:

- a) Records of gallons of No. 2 fuel oil burned each month shall be maintained.
- b) Records of the sulfur and heat content of fuel oil burned shall be maintained on a monthly basis.
- c) The permittee shall maintain records of the monthly and rolling twelve (12) month total sulfur dioxide emissions.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

None

SECTION B EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit 10 (12-001) Wastewater Treatment Process

Description:

Equipment includes: Wastewater treatment system, supporting tanks, dikes, berms, and pipeline equipment.

Maximum continuous rating: 0.345 million gallons/day

Storm surge: 0.646 million gallons/day

Construction Commenced: 1989

Applicable Regulations:

None

1. Operating Limitations:

None

2. Emission Limitations:

None

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

Permittee shall monitor the gallons of wastewater treated on an yearly basis.

5. Specific Recordkeeping Requirements:

Gallons of wastewater treated shall be recorded on an yearly basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

None

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

<u>Application</u>		<u>Generally</u>
<u>Emission Point No.</u>	<u>Description</u>	<u>Applicable Regulations</u>
01-003	Grain Receiver Cyclone	401 KAR 61:020
01-004	Grain Receiver Cyclone	401 KAR 61:020
01-005	Grain Receiver Cyclone	401 KAR 61:020
01-006	Grain Unloading	401 KAR 63:010
02-002	Low Wine Condenser	NA
02-003	High Wine Condenser	NA
02-004	Heads/Tails Tank	NA
02-005	Retention Tank	NA
02-006	Surge Tank	NA
02-007	Cistern Tanks	NA
02-008	Still Bottle Vent	NA
02-009	Still Bottle Vent	NA
02-010	Stripper Still Pressure Relief	NA
02-011	Converter Vacuum Relief	NA
02-012	Doubler Bottle Vent	NA
03-003	Aerator Cyclone	401 KAR 59:010
03-006	Distiller's Dry Grain Loading	401 KAR 59:010
06-001	Regauge Area Tanks	NA
07-002	Labeling	NA
07-003	Jet Coding	NA
09-004	Ash Handling Baghouse	401 KAR 59:010
09-005	Wetted Ash Loading	401 KAR 59:010
09-006	Coal Handling	401 KAR 63:010
09-007	Cooling Tower	401 KAR 63:010
09-008	Fuel Oil Storage Tank	NA
10-001	Pump House Diesel Storage Tank	NA
10-002	Kerosene Storage Tank	NA
10-003	Wood Terminal Diesel Storage Tank	NA
10-004	Gasoline Storage Tank	NA
12-002	Sulfuric Acid Tank	NA
13-001	Mobile Sources (forklifts, tractors, vans, & flatbed trucks)	401 KAR 63:010
14-001	Maintenance Activities (degreasers, painting, and coating)	NA
14-004	Two Diesel fire pumps	NA

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. Particulate matter, sulfur dioxide, and visible emissions as measured by methods referenced in 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.
3. Indirect Heat Exchangers [Emission Unit 07 (09-001), Emission Unit 08 (09-002) and Emission Unit 09 (09-003)]
Pursuant to Regulation 401 KAR 52:020, Section 10, and to preclude Regulation 401 KAR 51:017 (Prevention of Significant Deterioration), for each indirect heat exchanger actual emissions of sulfur dioxide shall not exceed the emission cap of that indirect heat exchanger per year during any consecutive twelve (12) month period. The permittee shall track and maintain a monthly total and a twelve consecutive month summary of sulfur dioxide emissions for each unit to assure compliance with this limitation.
Emission Unit 07 (09-001) sulfur dioxide emissions shall not exceed 245 tons in any twelve (12) consecutive months.
Emission Unit 08 (09-002) the coal usage rate in combination with the sulfur content of the coal burned shall not cause emissions of sulfur dioxide to exceed 245 tons in any twelve (12) consecutive months.
Emission Unit 09 (09-003) sulfur dioxide emissions shall not exceed 39 tons in any twelve (12) consecutive months.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place as defined in this permit, and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.6 [Section 1b (V) 3, 4 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Frankfort Regional Office
643 Teton Trail, Suite B
Frankfort, KY 40601

U.S. EPA Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.

SECTION G - GENERAL PROVISIONS**(a) General Compliance Requirements**

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020 Section 26].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
 - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].
11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].
15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
- Applicable requirements that are included and specifically identified in the permit and
 - Non-applicable requirements expressly identified in this permit.

(b) Permit Expiration and Reapplication Requirements

1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:02+0 Section 8(2)].

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements
N/A

(e) Acid Rain Program Requirements
N/A

SECTION G - GENERAL PROVISIONS (CONTINUED)**(f) Emergency Provisions**

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
 - e. This requirement does not relieve the source of other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 3346
Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

SECTION G - GENERAL PROVISIONS (CONTINUED)(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

NONE

SECTION I - COMPLIANCE SCHEDULE

NONE